



imagine monitors as sharp
and detailed as your vision.



Samsung T-Series

SyncMaster 943T/245T/275T+/305T High-Definition
LCD Monitors for Professional Applications

SAMSUNG

Samsung 943T/245T/275T+/305T

High-Definition LCD Monitors for Professional Applications



Imagine being able to see everything that you're thinking. Every detail of your ideas will come to life when you create them on the Samsung 943T, 245T, 275T+ and 305T high-definition monitors. They're the perfect monitors for professionals who, like us, turn ideas to reality on a daily basis. With the Samsung 943T, 245T, 275T+ and 305T, it's not hard to imagine.

S-PVA panels appeal to a wider audience.

Whether you're showing ideas to a group of two or a group of 10, everyone will be able to see. Samsung's S-PVA (Super Pattern Vertical Alignment) panel technology produces wide viewing angles of up to $178^{\circ}/178^{\circ}$ ($CR \geq 10$), which is up to 10° greater (horizontal and vertical) than normal TN panels. Even the people on the sides will be able to see bright, accurate color from any angle of view.



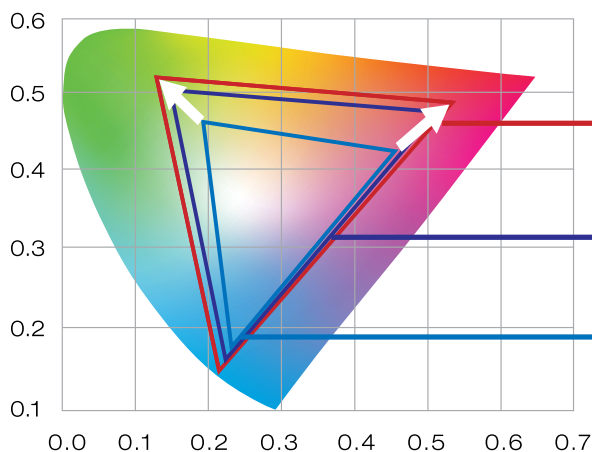
S-PVA Panel



TN Panel

Enhanced CCFL technology for up to 102% NTSC color gamut.

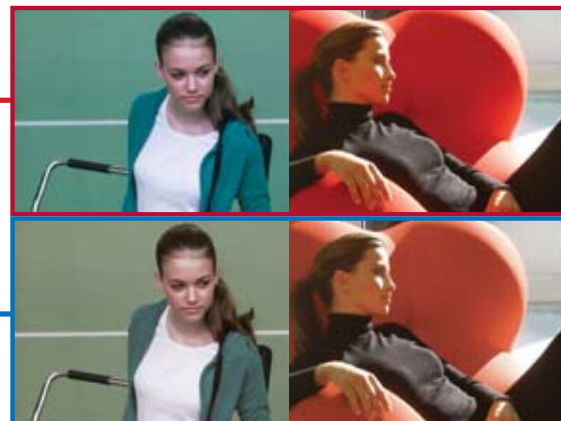
When your ideas begin to take shape, we'll make sure they look their best. Typical CCFL (Cold Cathode Fluorescent Lamp) LCD backlight technology is able to reproduce just 82% of the NTSC color gamut. Samsung's Enhanced CCFL technology reproduces up to 102% of the NTSC color gamut. You'll be able to reproduce colors you never could on LCD monitors before.



Enhanced
CCFL 102%

Enhanced
CCFL 92%

CCFL 82%



HDMI for the highest definition.



The details are what separate an average idea from a great idea. And they're what separate an average monitor from a great one.



The 245T and 275T+ give you all the detail you need with an HDMI (High-Definition Multimedia Interface) connection and HDCP (High-bandwidth Digital Content Protection).

HDMI and HDCP work together to support uncompressed digital streams of standard, enhanced or high-definition video. You'll have the highest resolution images possible, and a picture that's second to none.



Fast 6 ms G to G response for sharp motion graphics.

Not everything you do on your Samsung will be a still picture. You might be viewing a film clip. You might be editing a sales video. You might be watching the playoffs with the gang after work one night. Whatever the case may be, the 943T, 245T, 275T+ and 305T feature fast 6 ms Gray-to-Gray response times, for sharp, smear-free, impressive motion video.



Wide applications in the business world.

Desktop publishers will find the wide screens of the 245T, 275T+ and 305T are perfect for layouts, including spreads. The extra room more easily accommodates application tool palettes.

Musicians and producers will benefit from the wide screens by being able to see more of a waveform at once. Recording, editing and producing is easier than ever.

CAD/CAM engineers and designers will find their work is made easier by the high resolution and 16:10 ratio.

Those in the medical profession will have a valuable diagnostic tool due to the large screen, high resolution and gamma control, for ultimate image clarity and detail.

And whether you develop games for a living or you just like to play, nothing compares to gaming on a huge, wide, colorful, sharp display.

Which industry would benefit most from a Samsung high-definition monitor? No matter which one you choose, the industry that would definitely benefit the most from a Samsung high-definition monitor is yours.



MagicColor for color exactly the way you want it.



Brilliant natural color is as important to us as it is to you. So we invented our exclusive MagicColor technology. MagicColor offers five modes, to let you adjust the color exactly the way you like it. Full mode enhances the overall color. Intelligent mode enhances the color without affecting delicate skin tones. And Demo mode uses a split screen to let you compare color corrections to your original picture.

The perfect picture with exclusive MagicBright 3 technology.



MagicBright 3 is an exclusive Samsung technology that gives you the optimum viewing experience, no matter what's on your screen. Seven presets let you instantly select from modes that include Custom, Text, Internet, Game, Sport, Movie and Dynamic Contrast. (Excludes 305T.)

Specifications		943T	245T	275T+	305T
Display	Type	PVA	SPVA	SPVA	SPVA
	Viewable Size	19"	24" Wide	27" Wide	30" Wide
	Native Resolution	1280 x 1024	1920 x 1200	1920 x 1200	2560 x 1600
	Pixel Pitch	0.294	0.270	0.303	0.250
	Aspect Ratio	5:4	16:10	16:10	16:10
	Contrast Ratio (Typical/Dynamic)	1500:1/10000:1	1000:1/1500:1	1000:1/3000:1	1000:1 (typical)
	Viewing Angle (Horizontal/Vertical)	178°/178° (CR>10)	178°/178° (CR>10)	178°/178° (CR>10)	178°/178° (CR>10)
	Response Time	25ms	6ms (GTG)	6ms (GTG)	6ms (GTG)
	Light Source	CCFL	CCFL	CCFL	CCFL
	Wide Color Gamut (NTSC)	82%	97%	97%	102%
	Brightness (Typical)	250 cd/m ²	300 cd/m ²	500 cd/m ²	300 cd/m ²
	Panel Surface	Matte	Matte	Matte	Matte
	Maximum Color Supported	16.7M	16.7M	16.7M	16.7M
Video Input Signal	Analog	Analog RGB	Analog RGB, Component, CVBS, S-video	Analog RGB, Component, CVBS, S-video	N/A
	Digital	DVI	DVI, HDMI	DVI, HDMI	Dual Link DVI
	Frequency	30~81kHz(H) / 56~75Hz(V)	30~81kHz(H) / 56~75Hz(V)	30~81kHz(H) / 56~75Hz(V)	49.3~98.7kHz(H) / 60Hz(V)
	Sync	H/V Separated, Composite H/V, Sync on Green	H/V Separated, Composite H/V, Sync on Green	H/V Separated, Composite H/V, Sync on Green	H/V Separated
Compatibility	PC	Windows Vista Premium Certification, XP, 2000, 98	Windows Vista Premium Certification, XP, 2000, 98	Windows Vista Premium Certification, XP, 2000, 98	Windows Vista Premium Certification, XP, 2000, 98
	Mac	Mac OS Leopard, X, 9	Mac OS Leopard, X, 9	Mac OS Leopard, X, 9	Mac OS Leopard, X, 9
Input Connectors		15-pin D-sub, DVI-D	15-pin D-sub, Component, CVBS, S-video, DVI-D, HDMI, 3-pin AC plug (CEE22)	15-pin D-sub, Component, CVBS, S-video, DVI-D, HDMI, 3-pin AC plug (CEE22)	DVI-D (Dual link)
Power	Voltage	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz	AC 100-240 ~ VAC (± 10%), 60 / 50 Hz ± 3 Hz
	Consumption (Max/Standby)	34 watts (max)/<1 watts (DPMS mode)	130 watts (max)/<2 watts (DPMS mode)	130 watts (max)/<2 watts (DPMS mode)	130 watts (max)/<2 watts (DPMS mode)
Controls	Basic	Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu	Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu	Power, Brightness up/down
	Advanced	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H/V Position, OSD (Language, H/V Position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H/V Position, OSD (Language, H/V Position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size)	Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Color Tone, Color Control, Color Effect, Gamma), Image (Coarse, Fine, Sharpness, H/V Position, OSD (Language, H/V Position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size)	N/A
Features	Plug & Play	DDC 2B/DDC-CI	DDC 2B/DDC-CI	DDC 2B/DDC-CI	DDC 2B/DDC-CI
	Stand	4-way adjustable (height, swivel, tilt, rotate)	4-way adjustable: Height Adjustable (100mm), Swivel, Tilt, Rotate	Height Adjustable (80mm), Swivel, Tilt	Height Adjustable (80mm), Swivel, Tilt
	Wall Mount (VESA)	75mm	200 x 100 mm	200mm x 100mm	200mm x 100mm
	Cabinet Color	Matte	Matte	Matte	Matte
Special Features		Built-in USB 2.0 (1up/2down)	PIP/PBP, full HD support (1080p), MPA (Motion Picture Accelerator), Built-in USB 2.0 (1up/4down), Clear PBP	PIP/PBP, Built-in USB 2.0 (1up/4down), Clear PBP	Built-in USB 2.0 (1up/4down)
Magic Technologies	MagicColor (Full and Intellignet Mode)	■	■	■	N/A
	MagicBright 3 (Text, Internet, Mode, Game, Sports, Custom and Print View mode)	■	■	■	■
	MagicTune (With Asset Management)	■	■	■	N/A
	MagicStand HAS (Height Adjustable, Swivel, Tilt, Pivot)	■	■	N/A	N/A
	MagicRotation (Image Rotation With Software)	■	■	N/A	N/A
	MagicAutoRotation (Automatic Image Rotation)	N/A	■	N/A	N/A
	MagicSpectrum (Wide Color Gamut)	N/A	■	■	■
Operating Conditions		Temperature/Humidity	10°C ~ 40°C/10% ~ 80%	10°C ~ 40°C/10% ~ 80%	10°C ~ 40°C/10% ~ 80%
Dimensions and Weight	Product Dimension (w/Stand, W x H x D)	16" x 15" x 7.5"	22.1" x 18.1" x 9.8"	24.8" x 19.1" x 11	27.2" x 19.8" x 11
	Product Dimension (w/o Stand, W x H x D)	16" x 14" x 2.5"	22.1" x 14.5" x 3.6"	24.8" x 16.1" x 3.1"	27.2" x 17.7" x 3.3"
	Shipping Carton Dimension (W x H x D)	18.9" x 8" x 16.2"	25.7" x 20.4" x 11.9"	28.9" x 22.3" x 13.8"	31.3" x 22.7" x 13.7"
Product Weight	Product Weight (With Stand)	10.7 lbs.	19.4 lbs.	22.9 lbs.	26.5 lbs.
	Shipping Weight	14.3 lbs.	26.2 lbs.	31.3 lbs.	33 lbs.
Environmental	Emission Standard	TCO '03	TCO '03	TCO '03	TCO '99
	RoHS Compliant/Energy Star Compliant	■	■	■	■
	Product Recyclability	CCFL panel contains mercury, please dispose of properly	CCFL panel contains mercury, please dispose of properly	CCFL panel contains mercury, please dispose of properly	CCFL panel contains mercury, please dispose of properly
	Packaging Recyclability	All packing materials are recyclable	All packing materials are recyclable	All packing materials are recyclable	All packing materials are recyclable
Package Contents		Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD	Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD	Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD	Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD
Warranty		3 years parts and labor	3 years parts and labor	3 years parts and labor	3 years parts and labor

Product Information: 1-866-542-7214

Product Support: 1-800-SAMSUNG

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